SER. NO: INVENTOR:

DOCKET NO:

09/893,065

WALTER V. DIXON, ET AL RD-27,478

ATTORNEY:

DAVID C. GOLDMAN ATTY. TELEPHONE: (518) 387-5927

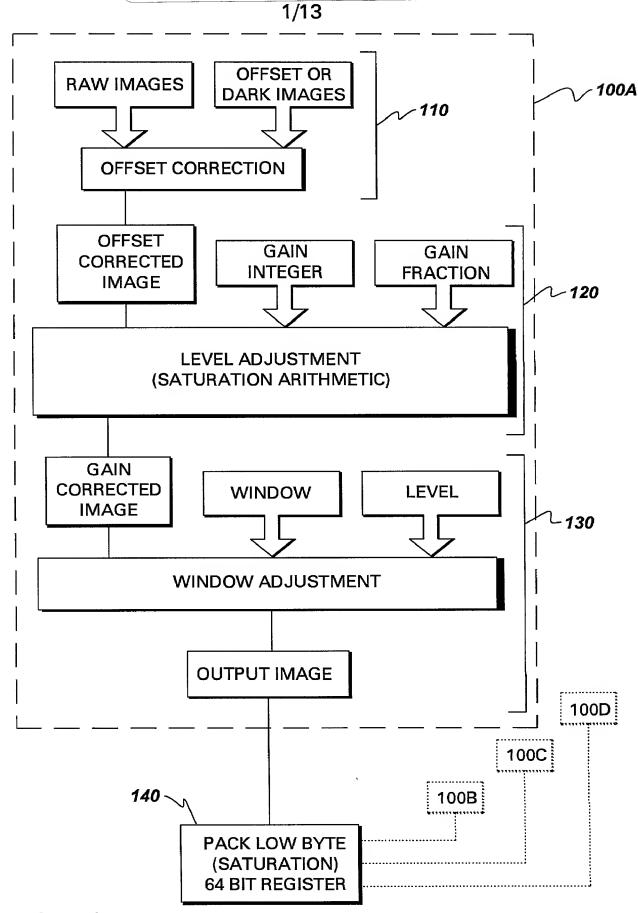


Fig. 1

SER. NO: INVENTOR: 09/893,065

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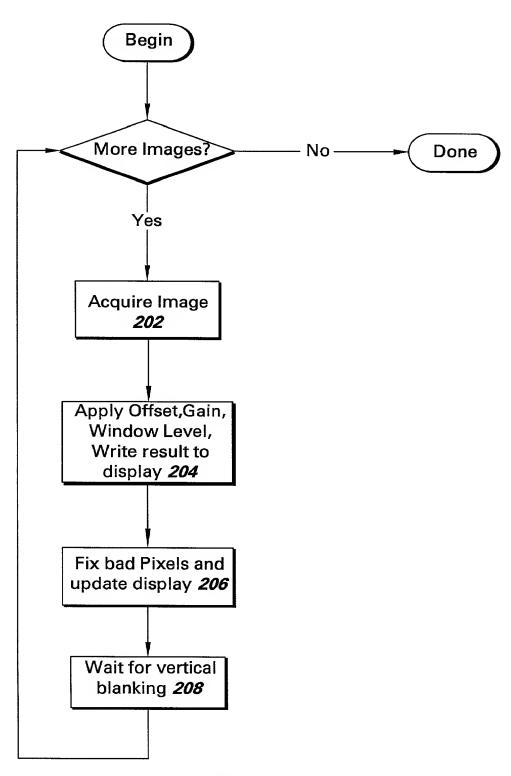


Fig. 2

SER. NO: INVENTOR: DOCKET NO:

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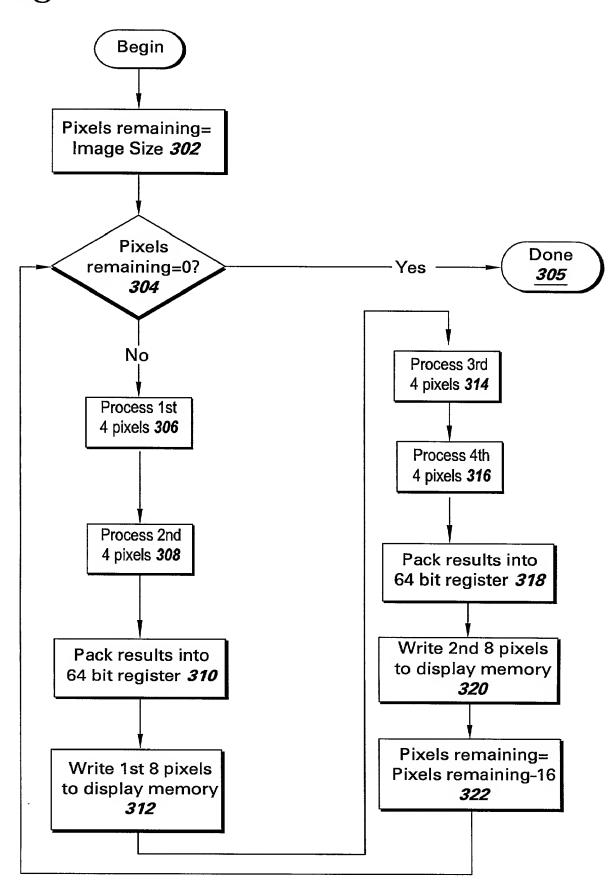
WALTER V. DIXON, ET AL

RD-27,478

DAVID C. GOLDMAN

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Fig. 3



SER. NO: 09/893,065 INVENTOR: WALTER V. DIXON, ET AL DOCKET NO: RD-27,478 DAVID C. GOLDMAN ATTORNEY: ATTY. TELEPHONE: (518) 387-5927 4/13

Begin 1st 4 pixels

t1 = t2 = t3 =

max(raw[i,j]-

offset[i,j],0)

t4 = low_16_bits(gain

magnitude[i,j]*t1))

t5 =

low_16_bits(gain

fraction[i,j]*t2)

t6 = high_16_bits(gain

magnitude[i,j]*t3)

t7 = min(Oxffff, t4+t5)

t8 = t6 > 0

t9 = t7 or t8

t10 = Oxffffffffffffffff = = t9

t11 = max(t9 -window

base, 0)

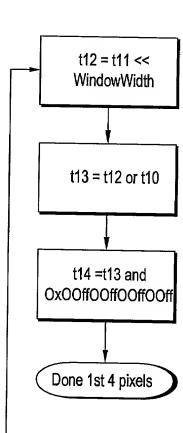


Fig. 4

SER. NO: 09/893,065 INVENTOR: WALTER V. DIXON, ET AL DOCKET NO: RD-27,478 ATTORNEY: DAVID C. GOLDMAN ATTY. TELEPHONE: (518) 387-5927 5/13 Begin 2nd 4 pixels t1 = t2 = t3 =t12 = t11 << max(raw[i,j]-WindowWidth offset[i,j],0) t4 = low_16_bits(gain t13 = t12 or t10magnitude[i,j]*t1) t5 = low_16_bits(gain t15 =t13 and fraction[i,j]*t2) OxOOffOOffOOff t6 = high_16_bits(gain Done 2nd 4 pixels magnitude[i,j]*t3) t7 = min(Oxffff, t4+t5) t8 = t6 > 0t9 = t7 or t8t10 = ==t9t11 = max(t9 -

window base, 0)

Fig. 5

SER. NO: 09/893,065

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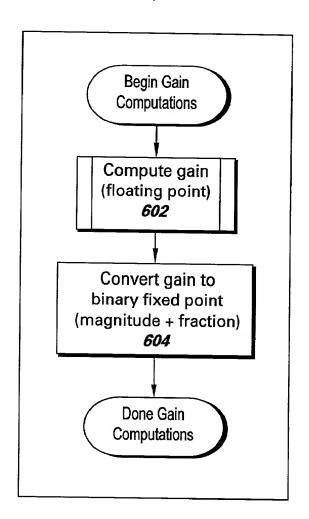


Fig. 6

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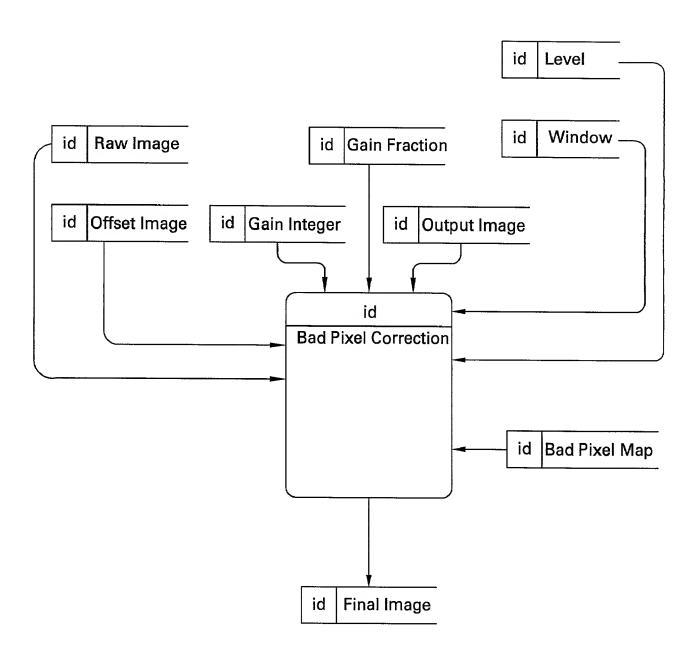


Fig. 7

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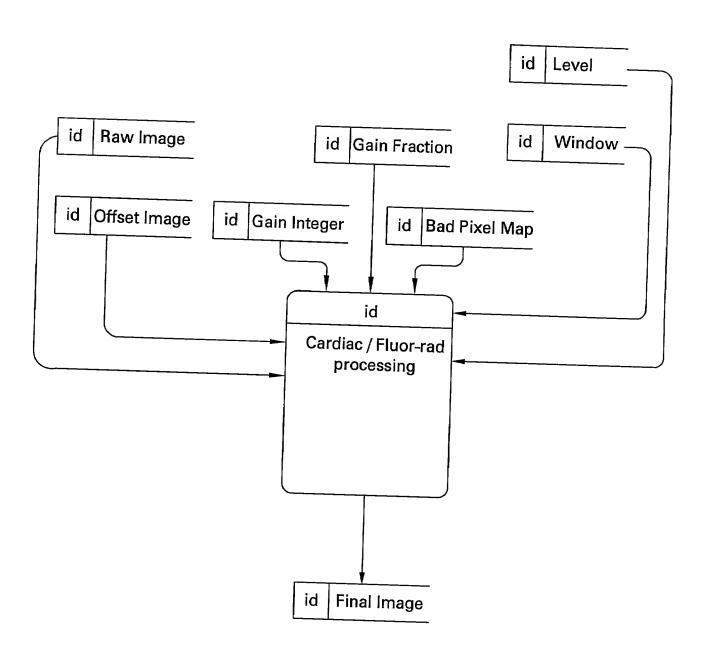
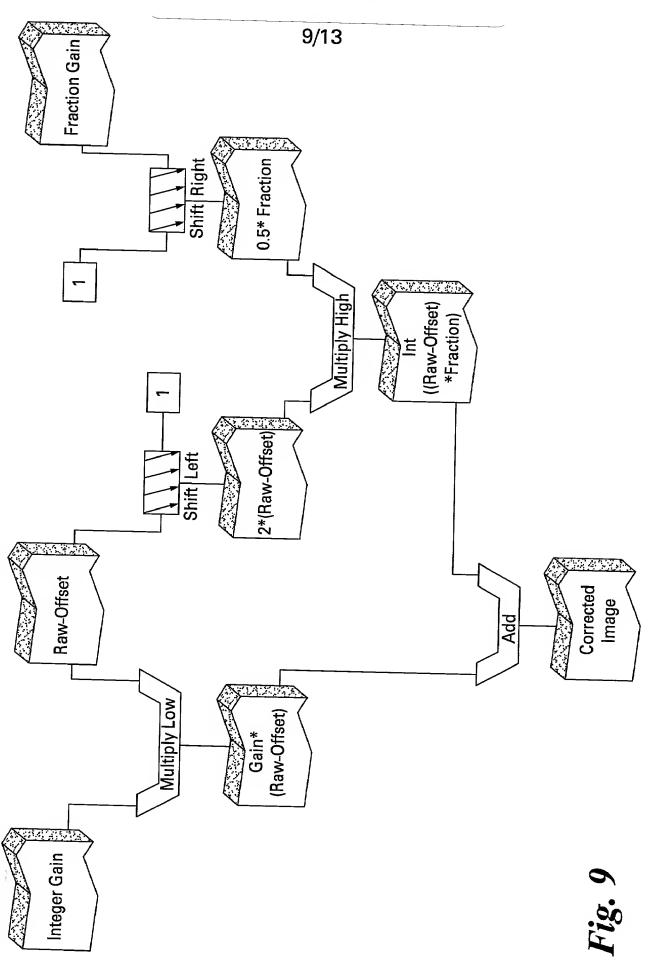


Fig. 8

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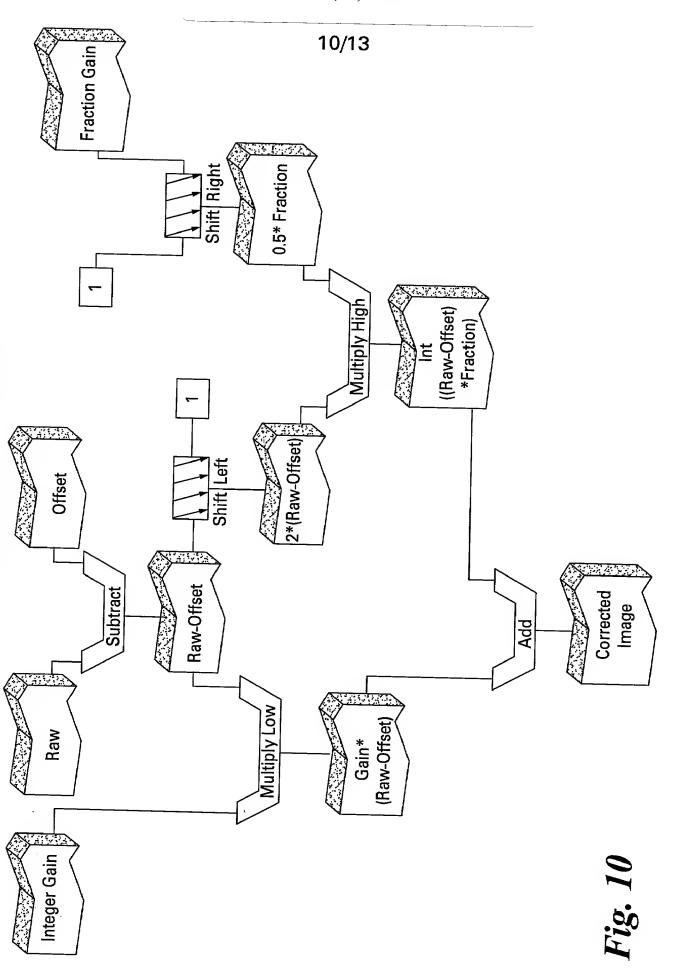
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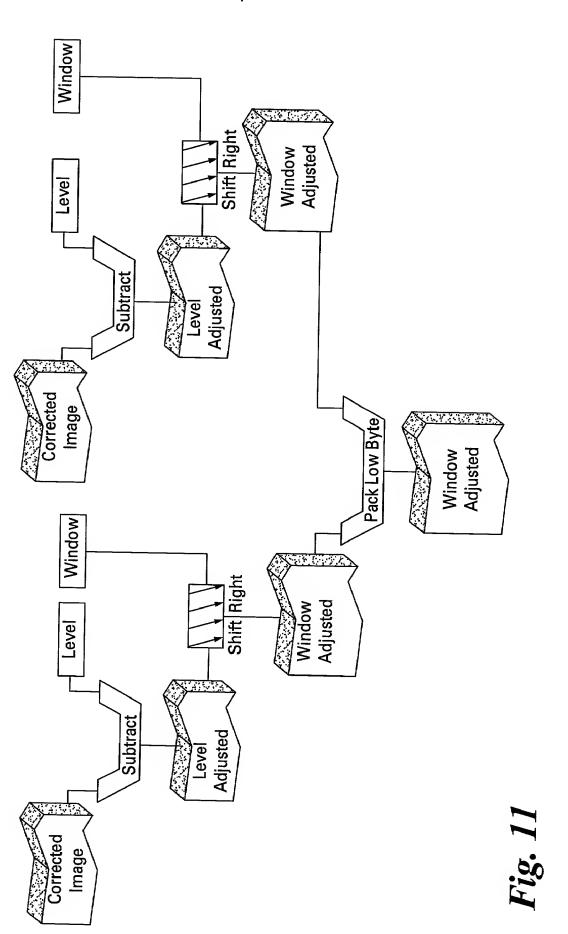
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12/13

Offset 0..15

Gain Integer 0..15

Gain Fraction 0..15

Offset 16..31

Gain Integer 16-31

Fig. 12

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Fig. 13

13/13 Specifies bad pixel location Bad Pixel #1 Row Number of pixels in replace-ment Bad Pixel #1 computation (=n) Column Replacement Replacement Count #1 Row #1 Replacement Column #1 Replacement Locations Replacement Row n Replacement Column n Specifies bad pixel location Bad Pixel m Row Number of pixels in replace-ment Bad Pixel m computation (=k) Column Replacement Count m Replacement

Replacement Locations

Replacement Row k

Row #1

Replacement Column #1

Replacement Column k